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Assistant Commissioner for Patents,  
Washington, D.C. 20231,  
on

7-8-96

TOWNSEND and TOWNSEND and CREW LLP

By Linda Bevard

#6  
3-9-01  
PATENT

Attorney Docket No. 004906-013840

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	)	
ASLAM A. MALIK, <i>et al.</i>	)	Examiner: D. Wilson
Application No.: 08/477,168	)	Art Unit: 1501
Filed: June 7, 1995	)	REVOCATION AND SUBSTITUTION OF POWER OF ATTORNEY UNDER 37 CFR § 1.36
For: MONO-SUBSTITUTED FLUORINATED OXETANE	)	
MONOMERS AND	)	
PREPOLYMERS, AND METHODS	)	
OF PREPARATION AND	)	
POLYMERIZATION TO PRODUCE	)	
FLUORINATED ELASTOMERS	)	

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Pursuant to 37 CFR § 1.36, Aerojet-General Corporation revokes all previous powers of attorney and hereby appoints the following to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Eugenia Garrett-Wackowski  
Reg. No. 37,330

M. Henry Heines  
Reg. No. 28,219

Kenneth A. Weber  
Reg. No. 31,677

ASLAM A. MALIK, *et al.*  
Application No.: 08/477,168  
Page 2

Please direct all future correspondence regarding the subject application to:

TOWNSEND and TOWNSEND and CREW LLP  
Two Embarcadero Center, 8th Floor  
San Francisco, CA 94111-3834

(415) 576-0200

AEROJET-GENERAL CORPORATION

By: Gene A. Powell

Date: June 27, 1996

Title: Assistant Secretary

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COMBINED DECLARATION, POWER OF ATTORNEY & PETITION

DECLARATION

I. As a below-named inventor, I hereby declare that:

- (i) my residence, post office address and citizenship are as stated below next to my name;
- (ii) I have reviewed and understand the contents of the attached specification including the drawing and claims as amended by any amendment referred to below;
- (iii) I believe I am the original, first and sole inventor (if only one is listed below) or a joint inventor (if plural inventors are named below) of the invention entitled:

**"MONO-SUBSTITUTED FLUORINATED OXETANE MONOMERS AND PREPOLYMERS,  
AND METHODS OF PREPARATION AND POLYMERIZATION TO PRODUCE  
FLUORINATED ELASTOMERS"**

as described and claimed in the specification which

- is attached hereto.
- was filed on June 7, 1995 as U.S. Patent Application Serial No. 08/483,220.
- was described and claimed in PCT International Application No. \_\_\_\_\_ filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_.

- (iv) I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application, in accordance with 37 CFR 1.56(a);
- (v) I do not know and do not believe that the same was (1) ever known or used in the United States before my or our invention thereof, or (2) patented or described in any printed publication in any country before my or our invention thereof for more than one year prior to this application, or (3) in public use or on sale in the United States more than one year prior to this application;
- (vi) said invention has not been patented or made the subject of an Inventor's Certificate issued before the date of this application in any country foreign to the United States or an application filed by me or my legal representatives or assigns more than twelve months prior to this application;
- (vii) no application for a patent or Inventor's Certificate on this invention has been filed by me or my representatives or assigns in any country foreign to the United States, except as follows:

NONE;

- (viii) I hereby claim the benefit under 35 U.S.C. 120 of any United States patent application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose material information as defined in 37 CFR 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

08/371,914  
(application serial no.)

January 12, 1995  
(filing date)

Copending  
(status)

(ix) this application in part discloses and claims subject matter disclosed in my or our earlier filed pending application Serial No. 08/371,914 filed January 12, 1995;

as to the subject matter of this application which is common to said earlier application, I do not know and do not believe that the same was ever known or used in the United States before my or our invention thereof or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to said earlier application, or in public use or on sale in the United States more than one year prior to said earlier application;

(x) as to the subject matter of this application which is not common to said earlier application, I do not know and do not believe that the same was ever known or used in the United States before my or our invention thereof or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to the date of this application, or in public use or on sale in the United States more than one year prior to the date of this application;

II. I declare further that all statements made above of my own knowledge are true and all statements made on information and belief are believed to be true; and these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

#### POWER OF ATTORNEY

I hereby appoint the following patent attorneys and/or patent agent(s) with full power of appointment, substitution and revocation to prosecute this application, to make alterations and amendments thereto, to receive the patent, and to transact all business in the Patent Office connected therewith.

JACQUES M. DULIN, Reg. No. 24,067  
GEORGE W. FINCH, Reg. No. 25,113  
FREDERICK J. ZUSTAK, Reg. No. 36,728  
JEAN I. LIU, Reg. No. 38,682

Address all telephone calls to Jacques M. Dulin at telephone number (408) 947-4000, and address all correspondence to:

JACQUES M. DULIN, Esq.  
PILLSBURY MADISON & SUTRO  
TEN ALMADEN BLVD, 8TH FLOOR  
SAN JOSE, CALIFORNIA 95113

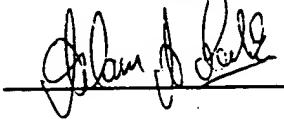
#### PETITION

Wherefore, I pray that Letters Patent be granted to me for the invention or discovery described and claimed in the above-mentioned specification and claims, and I hereby subscribe my name to the foregoing Declaration, Power of Attorney & Petition with references to the above-mentioned specification claims.

SIGNATURES

Name of sole or  
first inventor: ASLAM A. MALIK

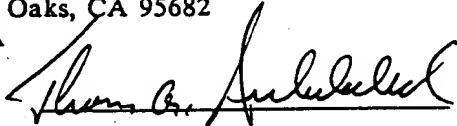
Home Address: 3001 Oakwood Road  
Post Office Address: Cameron Park, CA 95682  
Citizenship: USA

Inventor's Signature: 

Date: Nov 9<sup>th</sup>, 1995

Name of sole or  
second inventor: THOMAS G. ARCHIBALD

Home Address: 4155 Natoma Avenue  
Post Office Address: Fair Oaks, CA 95682  
Citizenship: USA

Inventor's Signature: 

Date: 11/9/95

CERTIFICATE UNDER 37 C.F.R. § 3.1(b)

Applicant: ASLAM A. MALIK, et al.

Application No.: 08/477,168

Filed: June 7, 1995

For: MONO-SUBSTITUTED FLUORINATED OXETANE MONOMERS AND PREPOLYMERS, AND  
METHODS OF PREPARATION AND POLYMERIZATION TO PRODUCE FLUORINATED  
ELASTOMERS

Aerojet-General Corporation, a corporation

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

U.S. PATENT AND TRADEMARK OFFICE  
JC678  
03/08/00  
S. P.  
JC09/520476  
03/08/00

certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

A.  An assignment from the inventor(s) of the patent application identified above, in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame(s) \_\_\_\_\_, or for which a copy thereof is attached. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame(s) \_\_\_\_\_, or for which a copy thereof is attached.

OR

B.  A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

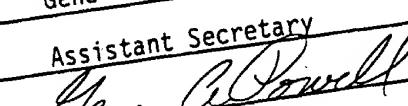
The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date : June 27, 1996

Name : Gene A. Powell

Title : Assistant Secretary

Signature :   
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Attorney Docket No. 004906-013840

## ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Aslam A. Malik of 3001 Oakwood Road, Cameron Park, California 95682, and Thomas G. Archibald of 4155 Natoma Avenue, Fair Oaks, California 95682, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below identified application for United States Letters Patent:

Title of the Invention: **MONO-SUBSTITUTED FLUORINATED OXETANE MONOMERS AND PREPOLYMERS, AND METHODS OF PREPARATION AND POLYMERIZATION TO PRODUCE FLUORINATED ELASTOMERS**

Filing date: June 7, 1995 Serial No.: 08/477,168; and

WHEREAS, Aerojet-General Corporation, a California corporation, located at P.O. Box 13222, Sacramento, California 95813-6000, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates

# COPY

indicated.

Date: 6/27/96

  
Aslam A. Malik

STATE OF CALIFORNIA

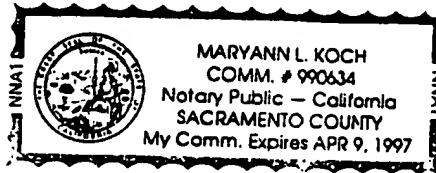
COUNTY OF SACRAMENTO

On June 27, 1996, before me, Maryann L. Koch (here insert name and title of the officer), personally appeared Aslam A. Malik, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature Maryann L. Koch

(Seal)



**COPY**